

PATENT ABSTRACTS OF JAPAN

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(54) COLOR FILTER AND METHOD FOR MANUFACTURING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To manufacture a color filter having a grid-like black matrix pattern by an ink-jet system, and to provide a low-cost color filter having superior quality and no variance in chromaticity by grids.

SOLUTION: The color filter 1 is manufactured through a first step of forming a barrier wall pattern 12 in stripes made of a resin, the pattern having a circumference part, on a transparent glass substrate; a second step of filling openings of the barrier wall pattern 12 with a colored ink by an ink-jet system and baking the ink to form a color layer pattern 13 in stripes; and a third step of forming a grid-like black matrix pattern 14, made of a light-shielding resin on the barrier wall pattern 12 and the color layer pattern 13.

